

CLAIMS:

1. A process for producing a colored fine particulate resin, which comprises the following steps:

bringing a colored resin, which comprises a thermally
5 fusible resin and a colorant evenly distributed in said thermally fusible resin, into a molten state;

forming said colored resin, which is in said molten state, into droplet-shaped fine particles in a non-dissolving medium which does not dissolve said colored resin; and then

10 cooling and solidifying said droplet-shaped fine particles.

2. A process according to claim 1, wherein said colored resin has a melt viscosity of from 1 to 500 Pa·s at a temperature of from 80°C to 180°C.

15 3. A process according to claim 1, wherein said colored resin has a melt viscosity of from 1 to 100 Pa·s at a temperature of from 90°C to 160°C.

4. A process according to claim 1, wherein in said forming step of said droplet-shaped fine particles, said
20 non-dissolving medium is set at a temperature of from 80°C to 200°C; and said cooling and solidifying step is conducted at a temperature of from -10 to 20°C.

5. A process according to claim 1, wherein in said forming step of said droplet-shaped fine particles, said
25 non-dissolving medium is set at a temperature of from 100°C to

160°C; and said cooling and solidifying step is conducted at a temperature of from 0 to 10°C.

5 6. A process according to claim 1, wherein said colored resin in said molten state is dispersed in an emulsified form in a non-dissolving liquid medium.

7. A process according to claim 1, wherein said colored resin in said molten state is formed by injecting, dispersing or spraying the same into a non-dissolving liquid or gaseous medium.

10 8. A process according to claim 1, wherein said thermally fusible resin is a polyester resin having aromatic rings or alicyclic rings, or an epoxy resin having aromatic rings or alicyclic rings.

15 9. A process according to claim 1, wherein said thermally fusible resin is a polyester resin having aromatic rings or alicyclic rings, a glass transition point not lower than 50°C, and a softening point of from 100 to 50°C.

20 10. A process according to claim 9, wherein said polyester resin has a weight average molecular weight of from 1,000 to 50,000.

11. A process according to claim 1, wherein said thermally fusible resin is an epoxy resin of a bisphenol polyglycidyl ether type, or an ester derivative thereof.

25 12. A process according to claim 11, wherein said epoxy resin or said ester derivative thereof has a weight average

molecular weight of from 1,000 to 50,000.

13. A process according to claim 1, wherein said colorant is at least one colorant selected from the group consisting of a yellow pigment: a 27:3 by weight parts mixture of C.I. Pigment Yellow 128 and phthalimidomethylated disanthraquinonyl-
5 monophenylamino-s-triazine, a red pigment: a 27:3 by weight parts mixture of C.I. Pigment Red 122 and phthalimidomethylated dimethylquinacridone, a blue pigment: a 27:3 by weight parts mixture of C.I. Pigment Blue 15:3 and phthalimidomethylated
10 copper phthalocyanine, and a black pigment: a 27:3 by weight parts mixture of C.I. Pigment Black 6 and phthalimidomethylated copper phthalocyanine.

14. A colored fine particulate resin produced by a process according to any one of claims 1-13.

15. A colored fine particulate resin according to claim 14, which is useful in an image recording material, printing material or paint.

16. A process for coloring an article, which comprises coloring said article with an image recording material,
20 printing material or paint comprising a colored fine particulate resin according to claim 15.